

No 'inkling' of secret aid, Reagan says

Associated Press

WASHINGTON — Former President Reagan testified in a videotaped deposition released Thursday that he never "had any inkling" his aides were secretly arming the Nicaraguan Contras during a congressional ban on military aid.

In testimony for the upcoming trial of John Poindexter, the former president also said he had remained unconvinced there had been a diversion of Iran arms sale money to the rebels, until prosecutors confronted him with the report of the Tower Commission he appointed.

Reagan said he would have expected Poindexter, his former national security adviser, to inform him of any diversion of funds to the Contras "unless maybe he thought he was protecting me from something."

Reagan's testimony was taken in Los Angeles last week and made available in Washington. The former president was jovial and testy by turns during the eight hours, winking at Poindexter as he took the stand and talking amiably with the judge, but also answering in abrupt fashion when Iran-Contra prosecutor Dan Webb said he wasn't addressing a question.

He said at numerous points that he couldn't recall a date, a name, or whether someone had told him something or not.

Reagan said decisively that he agreed with a letter Poindexter sent Congress saying the White House was complying with the ban on help for the Contras. The letter forms part of the basis for one charge Poindexter faces.

He also said, when confronted by prosecutors, that he was learning for the first time that Poindexter's predecessor, former National Security Adviser Robert McFarlane, had pleaded guilty to misleading Congress in the affair.

Reagan testified it was his impres-



Former President Ronald Reagan leaves the U.S. District Courthouse in Los Angeles after videotaping his testimony for the trial of former national security adviser John Poindexter. During his testimony, Reagan said he was unaware of any plan to secretly arm the Contras.

strategy in any way," Reagan testified under questioning by Webb.

Asked what he thought North was doing, Reagan said that "you have to have people that can be available to make contact with the leaders of the Contras ... sometimes closer than just

writing a letter."

"It was my understanding because his name would crop up in memos and so forth that that's what he was doing," the former president added.

Iran-Contra prosecutors used cross-examination of Reagan to intro-

duce evidence that Poindexter lied to Reagan about the secret aid operation after a C-123 cargo plane was shot down over Nicaragua during a supply flight on Oct. 5, 1986.

During his videotaped testimony, Reagan said he couldn't recall which adviser told him about the crash and said he did not know if Eugene Hasenfus was connected with North's secret operation. Reagan said Thursday that "no one has proven to me" that profits from secret arms sales to Iran were diverted to the rebels fighting the leftist Sandinista government in Nicaragua.

However, later in his testimony Reagan was confronted with details of the diversion from the February 1987 Tower Commission report.

"This is the first time that I have ever seen a reference that actually specified there was a diversion," Reagan said of the much-publicized report.

"Is this the first time ... that you came to realize in fact that a diversion had actually occurred?" asked Webb.

"Yes," replied Reagan.

Webb asked whether Reagan expected Poindexter to report such a diversion to his boss.

"Yes," replied Reagan. "Unless maybe he thought he was protecting me from something."

At that point Reagan seemed to lose his train of thought, saying, "But, no, I don't understand. This is very confusing to me about this."

Reagan grew testy with Webb, who told U.S. District Court Judge Harold Greene that the former president had not answered his question. Reagan retorted that he was trying to be responsive.

He said he "assured everybody that we would have to abide by the law" during the ban on Contra military aid.

Reagan also testified under oath that he never authorized Poindexter to obstruct congressional inquiries into the Iran-Contra affair or to de-

stroy documents.

Three experts gave conflicting reports Wednesday on the health effects of air pollution on respiratory diseases in Utah County at the eighth annual Utah Conference on Industrial Hygiene and Safety in Salt Lake City.

Dr. Steven H. Lamm, Geneva Steel's epidemiologist, said a study he conducted suggested there was little correlation between PM10 and hospitalizations for respiratory problems. PM10 is defined as particulate matter measuring less than 10 microns in diameter.

Lamm's study compared past numbers of hospital admissions for respiratory illnesses with known high-pressure inversion periods. Lamm's study did not reveal a causal relationship between PM10 levels and hospitalizations.

"The major determinate of respiratory hospitalizations are outbreaks of RSV, or Respiratory Syncytial Virus," Lamm said.

Dr. Robert Taylor, a Provo family physician, said his expertise was in determining what made his patients sick. Taylor said he questioned Lamm's findings and added that he had found a direct correlation between high PM10 levels during inversion periods and the number of respiratory hospitalizations.

RSV outbreaks most often occur during the winter months coinciding with the most common inversion periods and high PM10 levels, said Taylor.

"The bad days, the inversion days, are what we need to look at. Ted Bundy didn't kill anyone on his good days," Taylor said.

Taylor said when Geneva Steel reopened in 1987 the number of hospitalizations doubled. He also said up to 40 deaths a year in Utah County could be attributed to air pollution.

Taylor, speaking from experience as a Utah County physician, said his talk was originally titled, "The Effect of Reopening Geneva Steel Plant on the Residents of Utah Valley," but might be best retitled, "Everyone in Utah Valley is a Smoker."

Dr. Victor E. Archer, a former Public Health Service officer and epidemiologist, said that in a study he had taken, the results indicated that up to 5 percent of the deaths in Utah County could be attributed to air pollution. Salt Lake County came in at two percent being attributable to air pollution. Archer said, "This leads me to the conclusion that air pollution in Utah County is more toxic than the pollution in Salt Lake County."

"Epidemiologists believe in a direct correlation between air pollution and lung cancer rates," Archer said.

Archer said the results of his study came through a comparison of three Utah counties: Cache, Utah and Salt Lake counties. Utah and Cache counties were selected for their similarities, both having low smoking rates and low incidences of lung cancer. By using Cache County as a control group, Archer said he would be able to tell the effect of Geneva Steel on the residents of Utah County.

Archer said that there was a notable increase in the lung cancer rates in Utah County over those of Cache County since the opening of Geneva Steel in the 1940s.

Federal probe of discrimination charges against Utah schools now at district level

By SUZANNE CONDIE
University Staff Writer
and Associated Press

A federal civil rights investigation of alleged discrimination by state officials against handicapped students in Utah's public schools has moved to the district level, said a state school official.

Dr. Mae Taylor, specialist for the State and Federal Compliance for the Handicapped Program, said the investigation is a response to complaints filed by the Utah Association for Retarded Citizens and the Utah Association of School Psychologists.

They allege the public school system is discriminating against handicapped students by not providing funds for special education programs as adequately as it funds programs for the non-handicapped, Taylor said.

She said the UARC and UASP filed the complaints on behalf of the parents and teachers of handicapped students.

The investigation will take place in the districts, but will concentrate on charges that state officials and the legislature have intentionally underfunded special education programs by allocating only 80 percent to 85 percent of the funds handicapped stu-

dents are legally entitled to.

Taylor said the investigation is only in the Davis County School District now, but will eventually move on to other school systems.

The investigation committee "has devised a questionnaire to be distributed among teachers" and other officials in the state's 40 school districts. It also has requested the schools to send copies of financial records, she said.

Taylor said the committee will decide which districts to investigate further based on its assessment of the data collected from the school districts.

She said the special education programs are underfunded "for the same reason as (funds are short) in regular education."

—Dr. Gram

happened to vocational education, where a \$1.8 million increase was trimmed to \$600,000," he said.

Cassie Hughes, special education coordinator for Provo School District, said although Provo has enough money for its special education programs, other districts have been drastically affected by funding shortages.

The situation is "easily misunderstood because it's so complicated," she said. "We're getting a good hunk of new money, but it's still not

enough."

The state is deliberately refusing to fund many handicapped students to cut costs, Hughes said referring to the government policy that allocates a specific amount of money for each handicapped student enrolled in public schools. The investigation began in the state Office of Education two weeks ago. "They have been meeting with us for two days. (The investigators) have interviewed some people and interrogated others," she said.

The UARC filed a formal complaint last month and the UASP filed a letter supporting the retarded citizens' associations actions, said Joe Langeveld, a Davis school psychologist who chairs the special education committee for the UASP.

The UASP letter documents numerous, blatant instances of overcrowding and overloading special education classes in all of the state's larger school districts and many of the smaller ones, he said.

Langeveld said the state has failed to adequately support education for the handicapped for the past 10 years and he hopes the civil rights investigation has come early enough to remind state officials of their obligations to handicapped students.

The situation is "easily misunderstood because it's so complicated," she said. "We're getting a good hunk of new money, but it's still not

Utah Legislature passes waste bill during final day

Associated Press

SALT LAKE CITY — The 1990 Utah Legislature passed several major environmental bills, addressed the issue of domestic violence and won praise from pro-abortion rights activists before adjourning early Thursday morning.

Legislators passed a measure aimed to slash the amount of out-of-state waste coming into the state. But in budget, environmental and other Department of Health programs seemed to have lost out to public education, said Environmental Health Director Ken Alkema.

Alkema said the bill approved by the Legislature Wednesday limits the number of hazardous and solid waste incinerators and landfills to those that already have begun making applications. Those applications must be completed by Dec. 31.

That means both the proposed Aptus and USPC hazardous waste incinerators planned for the state's western desert will be allowed to go ahead, but a third disposal incinerator proposed by Rollins probably won't be able to complete its application in time.

Future waste disposal plant applicants will need legislative approval and must show there is sufficient incentive for their services, he explained.

"We did quite well with environmental legislation this year," he said. "That is, except for budgeting. Education got the bulk of the money."

Other environmental actions taken by the Legislature this session include a mandate for a statewide solid waste management plan and the creation of a legislative task force to develop plans for a Department of Environmental Quality.

Legislation dealing with domestic violence rolled through both houses with relatively little controversy, gaining final approval in the Senate four hours before the year's session ended 12:45 a.m. Thursday.

The package includes three bills and a joint resolution. They change how police deal with family fights they are called to, and how the law deals with the couple once the officer has acted.

A major change is that the bills require police officers to make an arrest or issue a citation in a domestic violence incident when it meets the definitions of assault, aggravated assault, mayhem or some other crime in which an arrest would be made if the attacker and the victim were strangers to each other. Currently, officers in many jurisdictions do not make arrests in situations involving spouses, trying instead to get the couple to settle their differences.

A second bill requires the perpetrator in a domestic violence situation to

stay away from the victim for 24 hours. A third bill sets guidelines for requiring the perpetrator to get counseling in exchange for reduced criminal penalties.

The joint resolution urges prosecutors not to drop cases against domestic violence perpetrators. This last is aimed at preventing victims of abuse, who often decide not to press charges, from being able to do so.

The bills are designed to reduce incidences of domestic violence in Utah by dealing more positively with the first such incident in which a couple is involved. The 1990 Utah Legislature's failure to pass two bills aimed at tightening the state's anti-abortion laws won praise Thursday from pro-abortion rights activists.

At a Capitol Hill news conference, Milsaps also said her group was convinced that the anti-abortion bills did not pass because of public pressure on legislators.

Becky Elliot of the National Organization for Women said only the successful House Resolution 39 could be seen as a setback for abortion rights activists in Utah.



Toys of the trade

The "toys" pictured are in a display at the ELWC | BYU students competed in a bridge building competition as part of Engineering Week. The contest Thursday as a part of Engineering Week will run until Saturday. High School and

NEWS DIGEST

Compiled from staff and news service reports

Reduced German military proposed

EAST BERLIN — The two Germanys should reduce their combined military by two-thirds when they unite, and some U.S. and Soviet soldiers should remain during the unification process, the East German defense minister said Thursday.

Adm. Theodor Hoffmann said the armed forces should be purely defensive and both states should remain in their respective alliances until they are reunited under a new European security system.

West Germany belongs to NATO, and East Germany is in the Soviet-led Warsaw Pact. About 380,000 Soviet soldiers are stationed in East Germany, and NATO has more than 300,000 in West Germany, including about 250,000 Americans.

Hoffmann said a joint German military should be reduced to about 300,000 men initially, and later to 150,000-200,000.

All three services — Army, Navy and Air Force — should be retained because all are essential to defense, he told a news conference.

Gen. Hans Deim, East Germany's delegate to Vienna talks on reduction of conventional forces, told the reporters anything over 300,000 men "would cause security concerns of our neighbors, especially France and Poland."

Shuttle still waiting for sick captain

CAPE CANAVERAL, Fla. — NASA on Thursday delayed the launch of Atlantis for a second day to let the shuttle's commander recover from a sore throat and to await better weather.

The secret military mission to put a spy satellite in orbit is not expected to take off until Saturday morning at the earliest.

The shuttle originally was scheduled for liftoff Thursday, but was postponed Wednesday when Navy Capt. John O. Creighton became ill.

This is the second time the space program has delayed a flight because of a sick astronaut. In 1969, the Apollo 9 mission was delayed three days after its three crewmen got sick.

NASA said it would decide whether to proceed with a Saturday launch after examining Creighton and the forecast on Friday. Saturday's outlook was a scant 20 percent chance for liftoff because of an approaching cold front, but that was to improve to 70 percent by Sunday.

U.S. awaits Nicaraguan election results

WASHINGTON — Secretary of State James A. Baker III said Thursday that even if international observers find the Nicaraguan government wins Sunday's elections fair and square, the Sandinistas will have to show "a substantial period of good behavior" before there can be normal relations with the United States.

Baker said that the United States is "prepared to recognize a government that wins a free election," but that "the government of the United States must be satisfied that there will continue to be open political space in Nicaragua. Then we can consider beginning to look at how we might normalize" relations, including lifting the trade sanctions.

Observer groups, including one led by former President Carter and another sponsored by the United Nations, will assess the election and "arrive at reasoned judgments" about its fairness, the secretary said. "But, in light of experience, the United States needs to make its own judgment," Baker said.

Apply 'dividend' to deficit, governors say

WASHINGTON — Most governors say they expect the fall of communist regimes in Eastern Europe to produce a "peace dividend," and they want it used to reduce the federal budget deficit rather than designated for their own states' needs.

"There's no question there's going to be a dividend if you're using that term in the sense that the defense budget will come down," said Republican Gov. William Clement of Texas, a former deputy defense secretary.

Gov. Buddy Roemer of Louisiana, a Democrat, said, "The things that can help Louisiana the most is to lower the deficit."

While there was widespread agreement with their view among governors responding to an Associated Press survey, there were a few dissenters.

"As billions are pared from the Pentagon budget, it's time for the federal government to return a substantial portion of that dividend to the states," said Democratic Gov. Robert Casey of Pennsylvania.

Opposing forces in South Africa to meet

JOHANNESBURG, South Africa — President F.W. de Klerk accepted a proposal by the African National Congress to send a delegation for the first formal talks between the white government and its foremost adversary Thursday.

The ANC's commitment to dialogue "is a positive step," reflecting a desire to "search for solutions through peaceful means," de Klerk said. De Klerk lifted a 30-year ban on the guerrilla movement three weeks ago.

He also made his first public statement on a controversy involving Defense Minister Magnus Malan, who has been linked in press reports to a secret military unit that allegedly assassinated anti-apartheid activists.

The president, interviewed by the state-run TV network, said the allegations would be thoroughly investigated by a judicial commission, criticized the press for conducting a "trial by media," and praised the role of the security forces in saving South Africa from anarchy and chaos.

Correction

On page 5 of Wednesday's edition, Jan Sullivan was incorrectly identified. She is the voice coordinator for the BYU Music Department's musical dance theater program. The Daily Universe regrets the error.

WEATHER

SLC/Provo

Today: Fair to partly cloudy skies.

Highs upper 40s, lows mid-20s.



Sunrise: 7:11

Sunset: 6:12

Saturday: Increasing clouds and hazy. Highs upper 40s to mid-60s, cooling to 40s-50s. Lows upper teens to low 30s.

Source: KSL Weather Line

LUIS LEME / Daily Universe

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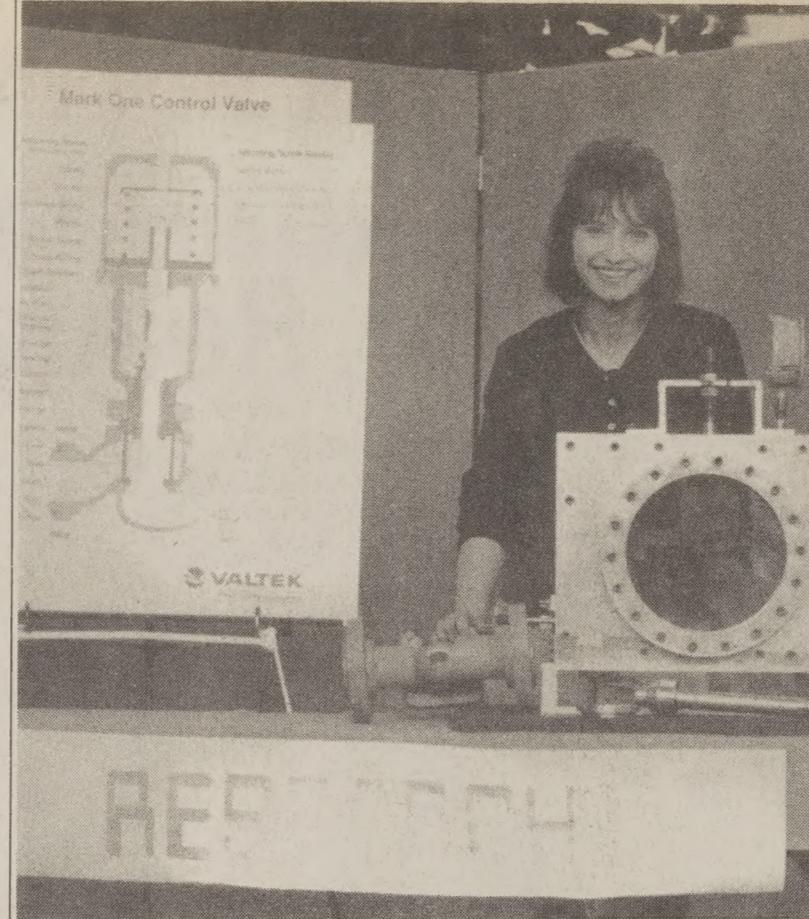
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Universe photo by Frank Lee
26-year-old Diva Santos from Sao Paulo, Brasil, is receiving corporate sponsorship to test supersonic jet flow in valves. The purpose of the research is to find ways to reduce noise level.

Y graduate student researches jet flows

By TAMARA MCCOMBS
Universe Staff Writer

A graduate student from BYU is doing research on supersonic jet flows.

Diva Santos, a 26-year-old from Sao Paulo, Brazil, is being sponsored by a valve company in Springville.

The company sponsored Santos to test supersonic flows in valves to predict noise.

Santos said this is important because many of the noises on the job where valves are used are dangerous to workers' hearing.

She said, "controlling this noise has been the object of many valve designs which are often ... expensive to produce."

Santos said the sound of a jet engine at 25 meters is about 130 decibels, which is 40 decibels higher than average street traffic.

"Shock waves inside the valves create noise. To try and reduce the shock we have been changing the shapes inside the valves," said Howard Heaton, a professor in mechanical engineering.

"Nobody has ever looked inside a valve the way we have," Heaton said.

Santos said shock may cause equipment to fail, which is another reason companies are interested in the research.

Heaton said they have experimented with different openings and pressures.

"Now we need to know why all of the noise is there ... what kind of flow patterns create noise," he said.

Santos took a cross section of the valve and has been running air through it to simulate what happens in supersonic jet flows in valves.

Santos discovered that changes in geometry cause a change in shock patterns which create noise.

Heaton said commercial applications include water treatment plants, nuclear plants, steam power plants, oil refineries and chemical industries.

Santos' work is on display in the ELWC Garden Court for Engineering Week.

Airlines seek safety seat regulation for infants

Associated Press

WASHINGTON — The airline industry changed its position on infant safety seats Thursday and asked the government to require them for all passengers under 2 years old.

The proposal, if adopted by the Federal Aviation Administration, could require thousands of parents each day to buy tickets for children who now fly free. Airlines, however, still would have the option of offering free rides or reduced fares.

The Air Transport Association, representing major air carriers, prepared a petition asking the FAA to take a tougher stand than the agency is considering. The airline group previously encouraged infant seat use but opposed rules to require them.

FAA rules now allow infants to be

held in the arms of adult passengers, but recent crashes in which unsecured infants were killed while some other passengers escaped have raised new concerns among passenger groups, flight attendants and members of Congress.

Most infant car seats are approved by the FAA for airliner use.

The FAA is considering a rule that would require airlines to accept safety seats on all flights. Airlines now have the option to refuse them.

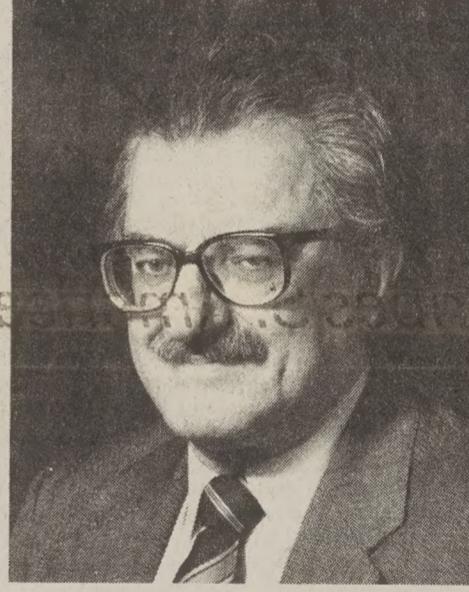
The FAA has resisted calls for

tougher rules, partly because of the cost to parents and the low number of infant casualties in airliner accidents.

Some officials have argued that raising costs would force families to drive, subjecting them to greater risk than flying.

UNIVERSITY FORUM ASSEMBLY

Tuesday, February 27, 11 A.M., Marriott Center



SEVERYN BIALER

Belfer Professor of Social Sciences
and International Relations
Columbia University, New York City

"From Reform to Revolution in Gorbachev's Russia"

What started as a guided reform to renew socialism in the Soviet Union is moving into a revolutionary phase. Spontaneous political, social, and economic processes have engulfed Gorbachev's *perestroika*. The polarization and radicalization of political forces on the left and on the right make the centrist policies of Gorbachev increasingly untenable. The deepening crisis in all spheres of Soviet life adds urgency to the situation and is moving toward a confrontation of political forces, views, and interests. Gorbachev can still survive and regain initiative by radicalizing his own policies and launching an offensive against his

opponents on the right. Yet even if he succeeds in doing so, the tasks that the Soviet Union faces on the road to spiritual and material renewal are formidable, almost unprecedented. The conflicts, strife, and tensions that have emerged are not simply pains of a transition to a new order (or restoration of an old order), but long-term trends that will persist under any regime that emerges in Russia. The Bolsheviks thought that they had left behind the "pre-history of mankind" with its harsh rule of spontaneous forces and conflicts. But after 70 years of Communist rule, history had reasserted itself in the Soviet Union.

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CAMPUS

Balsa bridges built for Engineering Week

By TAMARA MCCOMBS
University Staff Writer

BYU and high school students competed in a bridge building contest Thursday as a part of Engineering Week.

Norman Hale, a civil engineering department technician, designed the hydraulic machine that tested the bridges for strength.

The contestants had 11 pieces of 3-foot-long balsa wood, two base blocks, glue and a matboard deck to work with. "The bridges may only weigh 45 to 46 grams," Hale said.

Don Budge, professor of civil engineering, said there are two divisions of the competition: the open competition and the university competition.

The open division consists of high school students. "We are protecting the university students (by separating the contest) because the high school students would take all of the prizes," he said.

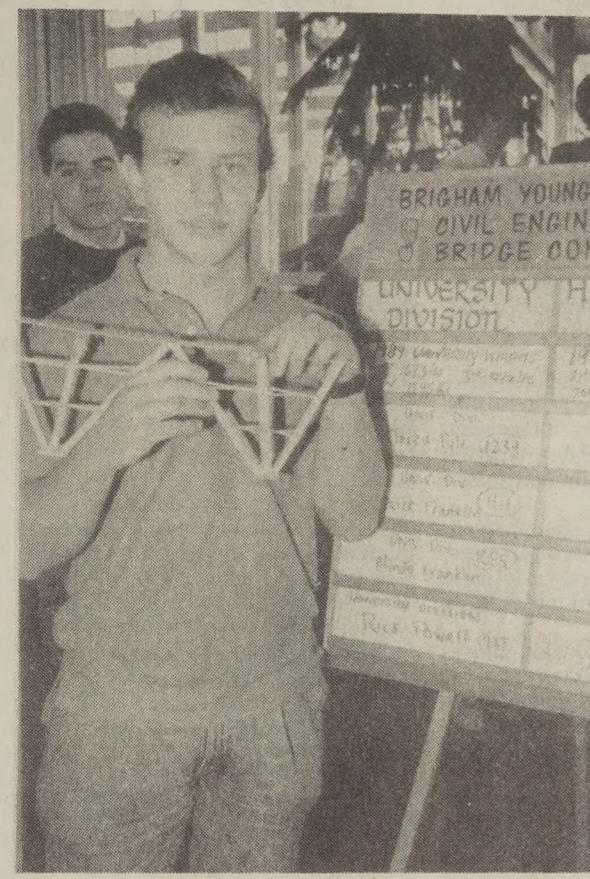
Budge said high school students have more time to work on their projects and have been in more bridge building competitions than the university students.

Jeff Kitchen, a 17-year-old from American Fork, won the open division with a record-setting bridge, which withstood 2,162 pounds of pressure.

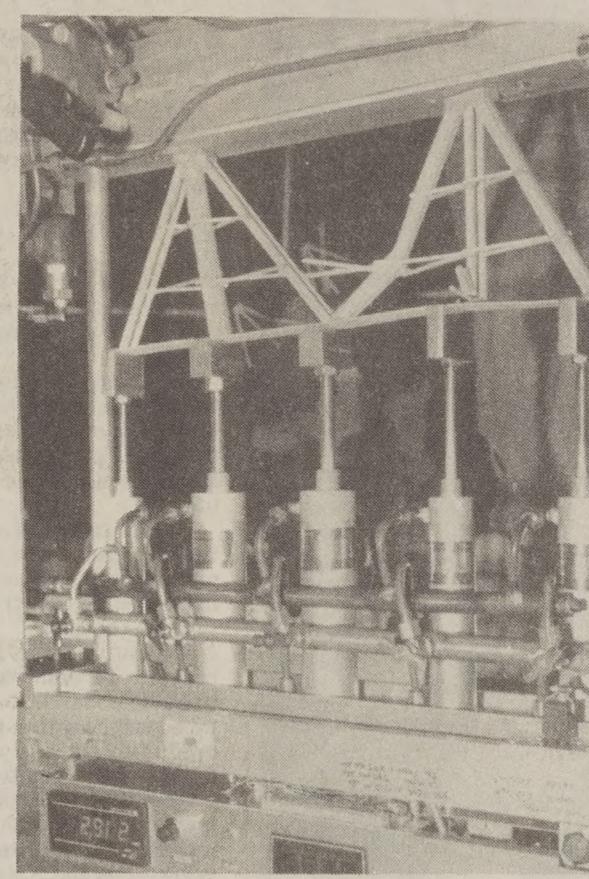
Kitchen said he got interested in the contest through relatives. "It's fun to watch your bridge hold a lot of weight."

Jared Pyle, 23, a sophomore from Lancaster, Calif., majoring in mechanical engineering, won first place in the university division. His bridge withstood 1,239 pounds of pressure.

Hale said there are two reasons



17-year-old Jeff Kitchen from American Fork used 11 balsa wood sticks to produce a record-setting bridge in the high school division of the



bridge building contest sponsored as part of Engineering Week. His bridge withstood 2,162 pounds of pressure.

for the competition. The first is to show engineering can be fun if one knows how to apply the mathematics. The second is to get students interested in engineering.

The contest involved 25 high

schools. "The high school contest extends from Nephi to Salt Lake City. It's fun to see a lot of enthusiastic kids," Budge said.

Jason Day, an 18-year-old high school student from American Fork

and a competitor in the contest, said, "It has taken me years and years to figure out the design."

Budge said the contestants must start from scratch when building their bridges.

Highway fatalities at record low in '89

Associated Press

WASHINGTON — The death rate on the nation's highways fell to its lowest ever last year, a sign that more Americans are using seat belts and staying sober behind the wheel, the government said Thursday.

The fatality rate was 2.2 deaths per 100 million miles of travel in 1989, down from 2.3 in 1988, the National Highway Traffic Safety Administration said. In 1980, the rate was 3.3 per 100 million miles.

Re-vote unnecessary, candidates say

By JENNIFER JOHNSON
University Staff Writer

A re-vote of the Student Advisory Council elections held last week will not be necessary because the candidates have decided to let the original election results stand.

The possibility of a re-vote came up Feb. 15 when it was found that some ballot takers did not inform voters they could vote for candidates only within their own college.

Christy Smith, director of SAC

elections, said an agreement has been reached among all the parties involved. "After talking to the candidates, we've decided to let the final results stand," she said.

The SAC positions in question were those representing the College of Fine Arts and Communications and the College of Engineering and Science Technology.

These were the only positions with multiple candidates running.

Darin Perry was elected for the College of Fine Arts and Communica-

tions, and it was decided his opponent Lanny Brown will be the college's appointed SAC representative.

SAC may have one elected and one appointed representative from each college.

Mike Wirthlin was elected for the College of Engineering and Science Technology.

The candidates who did not win may still become a SAC representative, Smith said.

Those running unopposed in the SAC elections were automatically voted in as representatives.

Explorer describes S. American archaeological findings

By SHAUNA PIERSON
University Staff Writer

A renowned explorer of South America proved discovery is alive and well even in the twentieth century.

Gene Savoy, who discovered 43 lost cities in the tropical forests of Peru, shared his experiences and findings Thursday at BYU.

Callers risk arrest, jail terms and fines

Phone pranks can be costly

By PAISLEY P. MILLER
University Staff Writer

Prank telephone calls may be fun to make, but they could get you arrested.

Repeated prank or obscene phone calls are considered telephone harassment, a class B misdemeanor with a potential penalty of a \$1,000 fine and not more than six months in jail.

Between Sept. 1, 1989, and Feb. 12, 1990, the University Police received 99 reports of telephone harassment.

Of the 99 telephone calls reported, 54 callers were identified.

Of the callers identified, 41 were referred to University Standards, and the other 13 were charged in court.

The Utah criminal code states that a person commits telephone harassment and is subject to prosecution

when he makes a phone call with the intent to annoy or alarm another person.

Telephone harassment is also committed when a person makes a telephone call without purpose of lawful communication, or makes repeated telephone calls at "extremely inconvenient hours or in offensively coarse language," according to the Utah criminal code.

If the caller "insults, taunts or challenges another in a manner likely to provoke a violent or disorderly response," this is also considered telephone harassment.

Lt. Dan Evans of the University Police Department said that if a pattern of three or more calls develops, U.S. West can be involved.

With the help of U.S. West and the use of new technology, detecting the offender is easier and the length of the phone call is now inconsequential,

said Lt. Evans.

For U.S. West to become involved, the person receiving the harassing phone calls must sign an affidavit agreeing to prosecute the caller once he is identified.

The person receiving the phone calls is then instructed to keep a telephone log.

Once the time of the harassing phone call is recorded, U.S. West can identify the source of the calls.

The police follow up, and when the caller is identified he is prosecuted in court.

Lt. Evans said, "Persons responsible for making harassing or obscene telephone calls are breaking the law, and will be handled accordingly when they are identified."

So the next time you think of getting back at someone by calling them in the middle of the night and hanging up, you might want to think again.

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Richmond

Dillard's retailing strategy is value based, manager says

By TAMMY WILLIAMS
University Staff Writer

sale can be better spent in overall improvements. Dillard's is a pioneer in value pricing. We don't trick the customer with sales," he said.

Values and integrity are vital to retail business today, said the chairman of Dillard's Southwest Division.

G. Kent Burnett explained Dillard's retailing strategy and credited the growth to integrity, work ethic and computerization as part of the Marriott School of Management's Executive Lecture Series Thursday.

Burnett manages 21 Dillard's stores in the southwestern states.

Dillard's has 180 stores in 11 states with more than 30,000 employees. Store receipts have grown from \$431 million in 1980 to \$3.45 billion in 1989.

Dillard's Department store started in Nashville, Ark. Burnett said its growth comes from being ethical.

"My personal philosophy is that we've got to do things 100 percent better. Not one thing 100 percent better," said Burnett.

Dillard's does not have "sales," said Burnett. "Advertising expense, time and effort spent in preparations for a

sale can be better spent in overall improvements. Dillard's is a pioneer in value pricing. We don't trick the customer with sales," he said.

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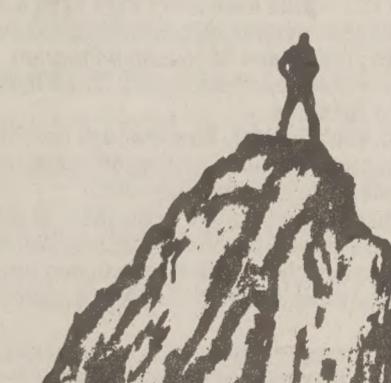
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LIFESTYLE

Professor builds Amish barn

By WENDY SEAL
University Staff Writer

BYU art professor Wulf Barsch is building a barn — not just any barn but a mammoth jigsaw-like structure put together without nails, mortar or modern machines.

Along with his colleague, BYU professor Doug Himes, and a crew of 13, Barsch is constructing a huge barn in southern Utah using the timber framing methods of the Amish.

Barsch said he chose to build his house and now his barn with Amish techniques because, "I want to do it the right way."

Barsch, who does his farming with draft horses instead of tractors, said he does not believe in being dependent on expensive, inefficient equipment.

"In building the barn we have only had to use a machine one time to help us lift one of the central beams, which weighs 28 to 30,000 pounds," Barsch said.

The rest of the time Barsch and his crew have used sheer manpower. They worked for two weeks on the barn to complete the main construction — the timber frame. When finished, the barn will be 70 feet long, 40 feet wide and 35 feet high.

In the old days, a barn could be raised in one day, like in the movie "Witness," but Barsch said he did not have enough people to do it all in that short of time.

"All of the pieces are cut beforehand and fit together like a big puzzle. The tenons and mortises are secured by oak pegs. We don't use any nails," Barsch said.

The primary tools in timber framing are a chisel and a buffalo-hide mallet. Doug Himes said he enjoys being able to hand shape the timbers. "We cut the pieces from wood that is still green, and when the chisel is properly sharpened it's just like slicing butter."

Himes said it is very exact work which requires intense concentration. "You can't afford to be inaccurate. The timbers must be cut precisely right. If a beam is too short, or doesn't fit snugly it can't be used."

Barsch and Himes both agree that timber frame buildings are much sturdier than buildings built by more modern conventions. "Your basic 2-by-4's are like toothpicks compared to the beams used in timber framing," Himes said.

Barsch said that barns fashioned by timber framing are fairly common in Europe, but an Amish barn has not been built in Utah for 40 or 50 years. "I only know of one other barn of this type that was built near Logan in the 1920's," Barsch said.

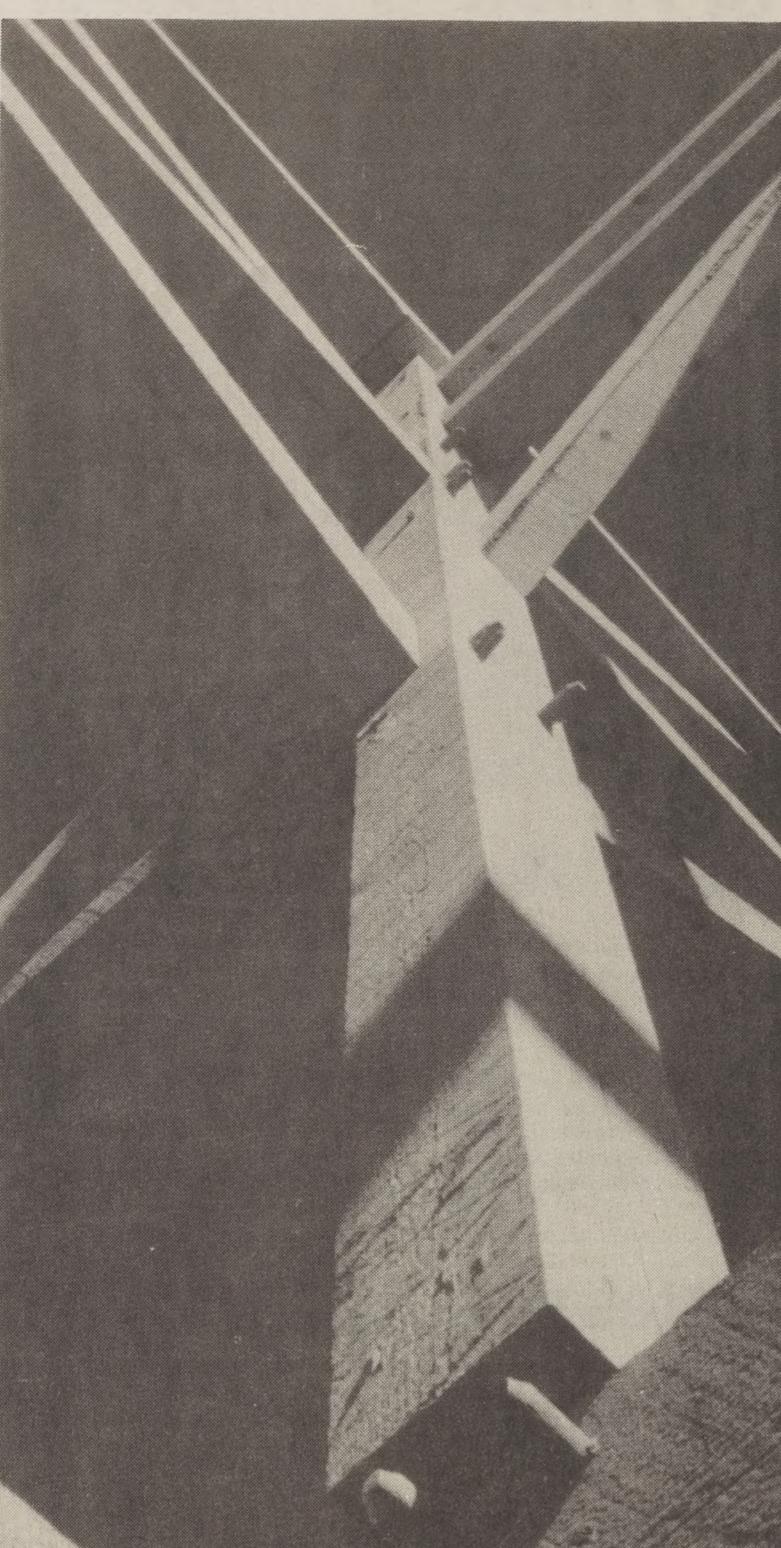


Photo by Doc Parkinson
The Amish barn being built by Professor Wulf Barsch is constructed by fitting wood pieces together and securing them with oak pegs; there are no nails used.

Faculty member performs 'Giselle'

By KATHERINE HANSEN
University Staff Writer

A BYU ballet faculty member formerly of the Chinese Central Ballet Company will restage Giselle, Act II, at BYU's Theatre Ballet's presentation of "Ballet in Concert."

Yi Qi (pronounced ee-chee) Cheng began dancing in 1949 with Russian instructor Votogo in China. "My mother sent me to a small dance studio to study ballet when I was 11. She thought dance would make me well because I was a very sick child," Cheng said.

Cheng continued to study at the Peking School of Dance located in Beijing, China, under the Russian mas-

ter, artistic director and choreographer, Peter Gushev.

"Professional dance school was very hard because Russian ballet is so disciplined," said Cheng.

Cheng graduated from the Peking Academy of Dance and joined the Chinese Central Ballet Company as a soloist in 1959.

She became rehearsal director and teacher for the Peking Ballet in 1970 and was made a member of the Peking Dance Academy Ballet Department in 1982.

Before Cheng left her native country, China, she experienced many hardships, she said. "I witnessed two revolutions. My father owned a shipping company and they took every-

thing — they even took my mother's hair."

"Life was tense and hard, so when my cousin invited me to the United States, I came," said Cheng. "They would have never let me come if they knew my husband was here."

Cheng came to the United States in 1982 to join her husband, who was appointed to the University of Utah Ballet Department.

Cheng has been a part-time faculty member at BYU's Dance Department since 1983. This past fall she became a full-time faculty member.

"I prefer teaching over dancing. Russian students are very dramatic, strong and technical. American students are different; they are a mixture

BYU's nature preserve researches varieties of unique plant, animal life

By DAVID D. JENSEN
University Staff Writer

BYU's Lytle Ranch Preserve, located in Saint George, Utah, serves as a nature preserve for education and research.

BYU purchased the 462-acre ranch from the Nature Conservancy in 1986.

The land serves as a nature preserve for education and research purposes, according to a promotional brochure.

Mark Hopkin, the full-time caretaker of the preserve said the Nature Conservancy is a non-profit organization which purchases lands qualifying as unique in terms of plant and animal life.

Hopkin said the Lytle Ranch qualified because of the desert tortoises, gila monsters, and several varieties of native fish in the stream which flows through the land.

Hopkin said the land also houses beaver, several varieties of rattlesnakes, skunks, raccoons, ring-tailed cats, coyotes, more than a hundred different bird species and four varieties of mosquitoes.

According to Hopkin, colleges and universities in Utah had been doing research on the ranch for about 30 years when the Nature Conservancy offered it for sale, and in 1986 President Holland agreed to let BYU purchase the land if the money could be raised by donations.

Hopkin said a lady who asked to remain anonymous donated the entire purchase price of the property. "We don't know who she is, but we are thankful to her," he said.

Piute Indians originally wintered on the ranch and later Thomas Sirls Terry a polygamist, used the ranch to hide his first wife, Hannah Louise, when polygamists were persecuted. Hannah Louise spent several years living in a wagon box until a house could be built. A later owner of the ranch built an adobe house in the 1920s, which Hopkin now lives in with his wife and two children, he said.

Hopkin said there has been no snow on the preserve during the two winters he has spent as caretaker. "Without spending a summer out here you can't even imagine what it's like. Sometimes it will be 115 to 120 degrees for a month," he said. "After that it drops down to 100 or so and it feels nice and cool."

Hopkin said the ranch is visited regularly by bird watchers, students and faculty members doing research.

He estimated there were between 200 and 300 visitors a month during the spring and fall.

Kenneth Packer, an employee of the Monte L. Bean Life Science Museum, estimated one-third of the visitors were from BYU.

Hopkin said many visitors are impressed by what they see, but some don't appreciate the desert scenery.

"Some people come out here and you can tell just by seeing them get out of the car that the prettiest thing they've seen all day was their face in the mirror that morning."

"They can't see beauty in anything else. But it doesn't matter if it's the rain forest or the desert, nature is beautiful," he said.

Mike Adams, president of the Timpanogos Audubon Society said although he was impressed by the diversity of life found on the preserve, he wished BYU would protect it more from livestock which roam the unfenced portion of the land and from improvements taking place on the preserve.

"I'd like to see nature take over more," he said.

Hopkin, a former Marine and state patrol officer, said although he does not consider himself an environmentalist, he can see the importance of environmental concerns from his work on the preserve.

Hopkin cited an example of a moth responsible for the pollination of the

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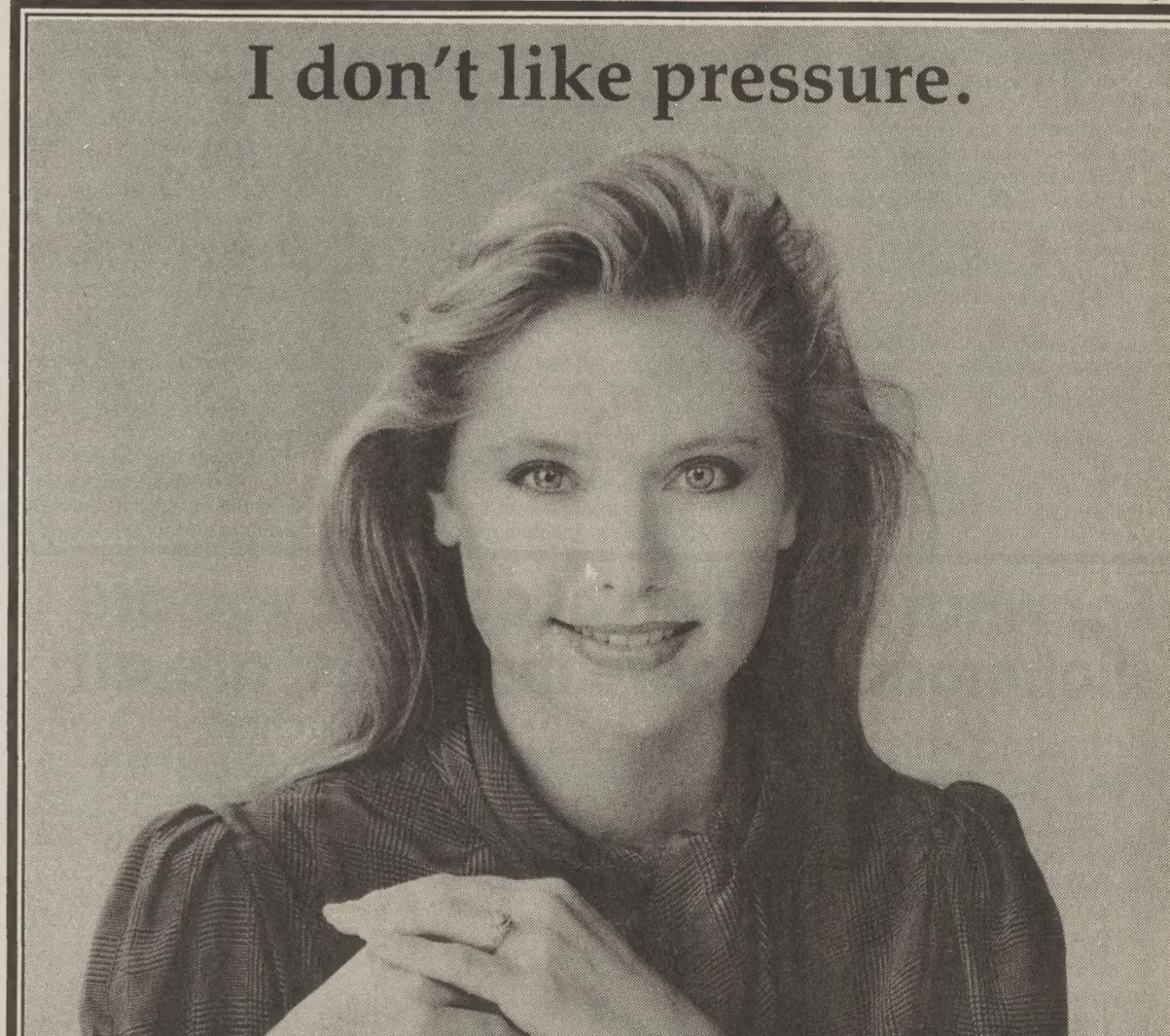
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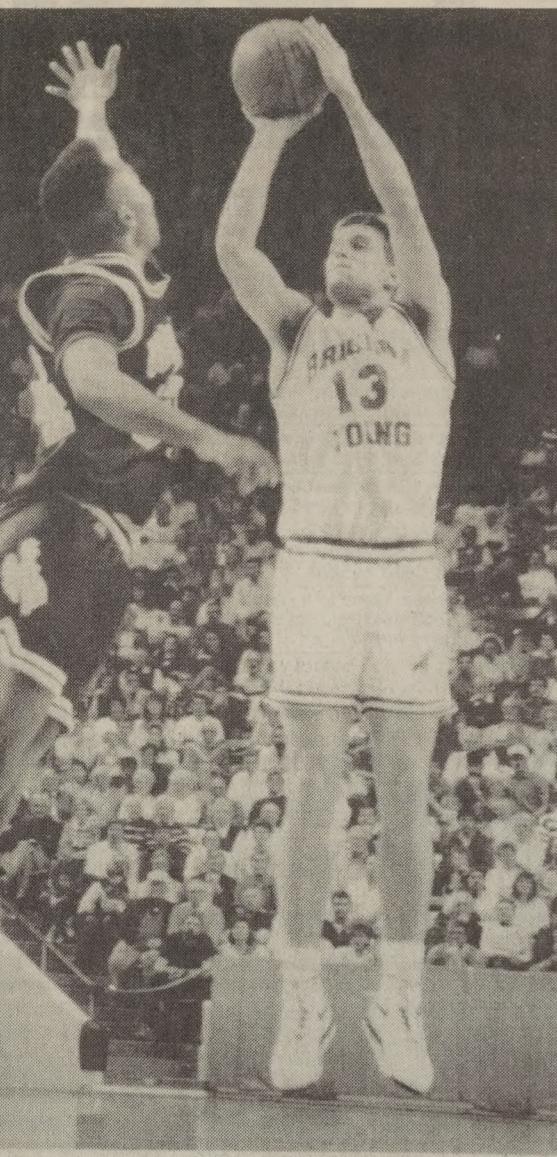
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SPORTS



Andy Toolson goes up for a shot in Thursday's 75-64 win over Wyoming. Toolson led all scorers with 22 points.

Universe photo by Dave Richman

Cougars down stubborn Cowboys, 75-64

By SCOTT NIENDORF
Assistant Sports Editor

The BYU men's basketball team used a strong defensive effort to beat the University of Wyoming Cowboys, 75-64, to earn its 20th win of the season Thursday night in front of 22,745 spectators in the Marriott Center.

BYU raised its record to 20-6 on the year and 10-4 in the WAC. Wyoming's record fell to 13-12 and 5-8 in WAC standings.

The Cowboys quickly jumped to a 4-0 lead before Andy Toolson opened the scoring for the Cougars with a 3-pointer almost two minutes into the game.

BYU and Wyoming played fairly even the first part of the contest with the Cougars leading, 18-17, with nine minutes left in the half.

Wyoming coach Benny Dees protested a call by an official and was given a technical foul. Toolson hit only one of the two technical free throws but the Cougars scored on their next two possessions for their biggest lead of the half, a seven-point lead at 25-18 with 7:09 to play.

Over the next three-and-a-half minutes, the Cowboys went on a 8-0 run to give them a 26-25 lead. But BYU answered with an 8-2 spurt to bump its advantage up to five points, 33-28, with only 1:30 remaining.

Wyoming's Todd Barnett then stepped up to score his only points of the game, hitting two 3-pointers in a row to give the Cowboys a one-point halftime lead, 34-33.

Wyoming wasted no time scoring in the second half, getting a 3-point bas-

ket in just 20 seconds from Tim Breaux to start a 7-2 run to give the Cowboys their biggest lead of the game, 41-35.

The home crowd finally got into the game when Toolson hit a 3-pointer with 11:27 remaining to give the Cougars the lead, 48-47, and Mark Durant stole the ball and drove the length of the court for a layup.

Two possessions later Steve Schreiner slammed the ball through the hoop and Kevin Santiago hit his second 3-pointer to give BYU an eight-point lead and the Cougars never looked back.

BYU hit 11 of 15 free throws down the stretch to preserve the victory and a perfect record playing in its home court. The Cougars are 14-0 this year in the Marriott Center.

The Cougars were led in scoring by Toolson who had 22 points, Haws with 18 and Schreiner with 17. The Cowboys had two men score in double figures. Breaux had 19 points and Queenton Higgins added 15.

Although Wyoming outrebounded the Cougars 43-26, BYU converted 57 percent of its shots to the Cowboys' 40 percent. The Cougars hit five of eight 3-point attempts while Wyoming hit just 7-21.

Cougar coach Roger Reid said, "We came out and did a good job defensively in the second half. The defense caused turnovers. The defense caused easy baskets. The defense in the second half won the ball game."

Haws said, "Coach (Reid) says, 'If you score, you might win. But if you don't let the other team score, they can't win.'"

Wyoming coach Dees said, "I think Roger (Reid) has done a super job with this basketball team. He should be Coach of the Year."

BYU remains a half-game ahead of

UTEP, who defeated San Diego State Thursday, 70-55.

Hawaii lost to New Mexico, 82-71, and dropped out of strong contention for the WAC title.

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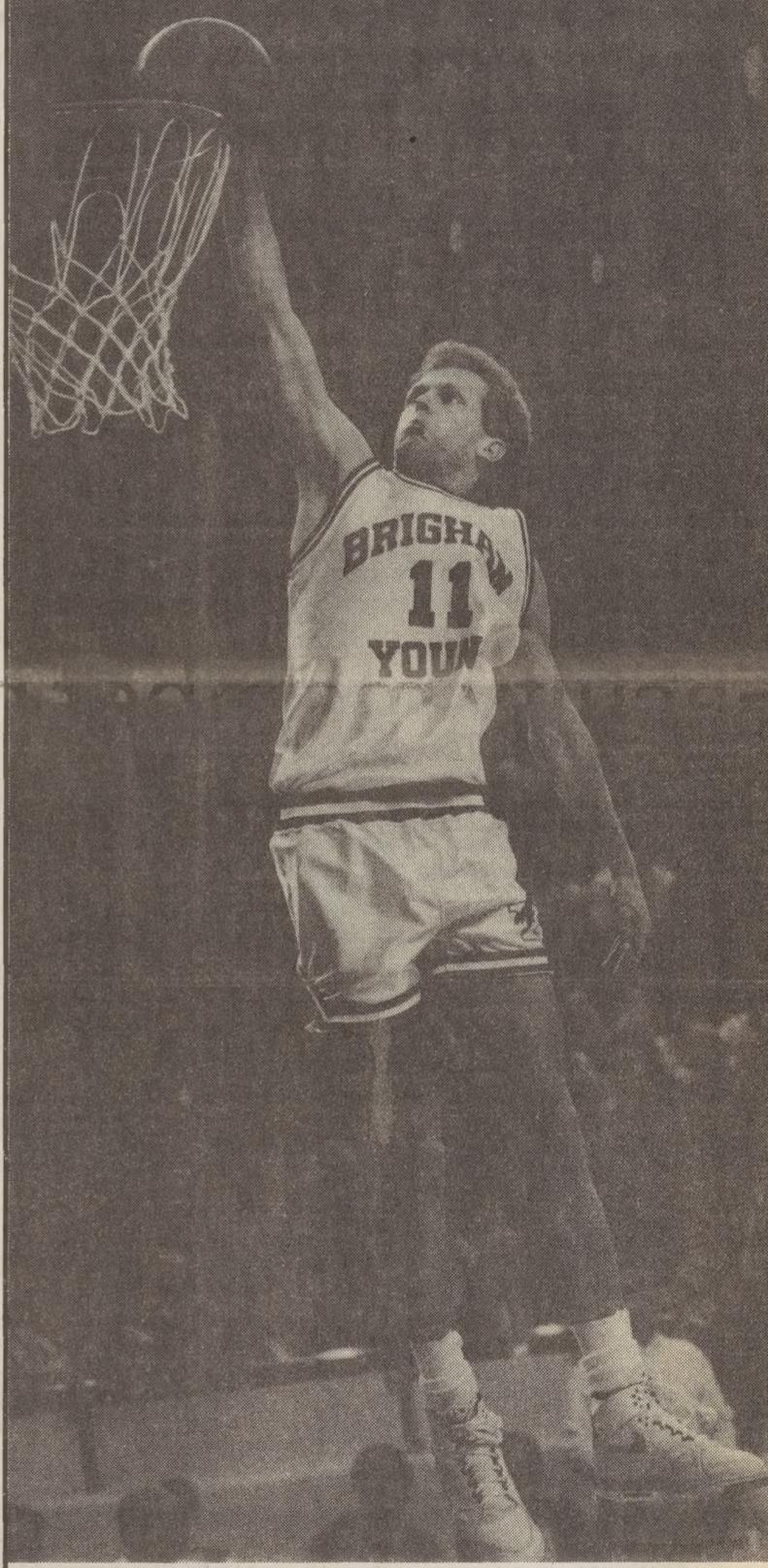
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BYU vs Air Force



Air Force to battle BYU

By SCOTT NIENDORF
Assistant Sports Editor

The Air Force Academy Falcons men's basketball team lands at the Marriott Center Saturday night to take on the Cougars in another crucial Western Athletic Conference matchup for BYU.

Air Force is 9-17 on the year and 2-11 in the WAC coming into Provo. The Falcons have regained the services of their scoring leader, Raymond Dudley, after he missed three games, including the game with BYU last month, with a knee injury.

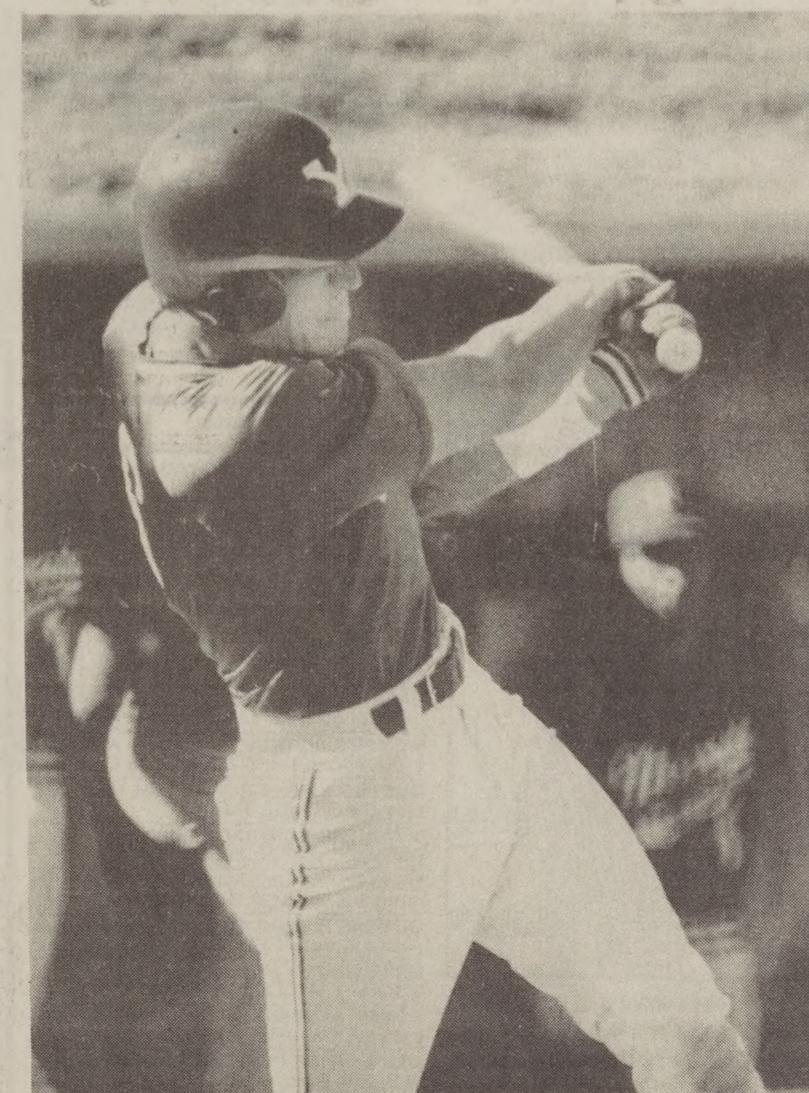
Dudley leads the WAC in scoring with a 22 points per game average. He averages eight 3-point shot attempts per game and makes 35 percent. Air Force is also helped by the 3-point shooting of Chris Lowry (45.2 percent—4th in the WAC), and by Jeff Bowling, who leads the league in handing out assists, averaging seven per game.

The Falcons boast the best team free-throw shooting average in the WAC, making 74.7 percent of their attempts.

Air Force has won two of its last four games. The losses came at the hands of Hawaii and Utah and both were by one point.

The Cougars defeated Air Force in Colorado Springs, 64-56, on Jan. 18.

In that game, the Falcons were led by Dale French who scored 20 points. BYU split its two games with the Falcons last year.



Matt Norman takes a swing in Las Vegas. The Cougars will play in Grand Junction, Colo., today and Saturday against Mesa State.

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Mesa State and BYU tangle this weekend

By ALEXA A. DAVIS
Universe Sports Writer

The BYU baseball team will be in Grand Junction, Colo., today and Saturday to play Mesa State in a four-game series.

The Cougars are already five games into the season and have a 4-1 record.

This series will be the season opener for Mesa State. Coach Gary Pullins said this puts BYU at a slight advantage over the Mavericks.

Last season when the two teams met, BYU swept the doubleheader 7-5 and 7-1 to put a damper on the Mavericks' season debut.

Mesa State is a smaller four-year school in the NAIA. Playing smaller schools allows BYU to experiment more with players and rotations.

"You still have to play hard and play well to win. They don't just give it to you," said Pullins.

The Cougars just returned home Wednesday from a road trip to Arizona, but expect to be ready to take on the Mavericks. In Arizona the Cougars split two games with Grand

Canyon College.

Senior outfielder Burt Call has had time to rest.

"Coach Pullins gave us the day off yesterday (Wednesday) so we're ready to go out there and play," he said.

The starting lineup for the Cougars will include Kendall Bennett pitching in today's first game. Lance Clark is scheduled to start in the nightcap. On Saturday, BYU plans to start Mike Switzer and Bart Peterson.

Playing first base will be Randy Wilstead who already has three home runs in five games.

"Randy is off the another great start," said Pullins.

Starting at third base will be Tony Smith, a sophomore from Bountiful. Smith saw his first varsity playing time last season in the Mesa State game.

The Cougars and Mavericks will play a pair of seven-inning doubleheaders beginning at noon each day. The first game each day will be broadcast live by KFMY Radio (960 AM) with Raeldon Palmer calling the play-by-play.

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FLOR

New sewer line to service Orem

By MARCI WILCOX
University Staff Writer

To accommodate a population increase, Orem city plans to build a new sanitary sewer line along 900 South from Main Street to College Heights.

"The line will carry a major portion of the sewage from the southern part of Orem," said the city engineer Ted Thaxton.

Public Works has allocated \$301,152 for the project and hopes it will be completed by the end of July, Thaxton said. The new line, with a diameter of 21 inches, will replace a line that has a 10-inch diameter.

Design plans will be finished by March 1, and potential contractors will make their bids by the middle of the month, Thaxton said.

"A certain percentage of each Orem resident's monthly sewer (and) water fee will be put toward

the new pipeline," he said. "This project is just one phase of a master plan which was approved by the City Council two years ago."

Important areas are being upgraded as funds allow every year, Thaxton said.

To save money, the city of Orem will use an abandoned sanitary sewer line by Utah Valley Community College for a storm drainage, he said. Storm drains are used to collect excess water so people won't be flooded.

"Our biggest problem is when water collects on the streets and won't soak into the ground," Thaxton said.

"When the land was just orchards, there wasn't a problem, but now we create the potential for flood waters," he said.

Orem does not have a major flooding problem because the land is very granular and the water seeps into it rapidly, Thaxton said.

Musical streaks out of Boise

By AMY K. STEWART
Senior Reporter

Producers of "Oh! Calcutta," a comedy-musical in which the actors perform nude, have settled out of court in their disagreement with the Boise School District over whether the play should be performed at Boise High School.

A tentative agreement has been reached between both parties — that is all the information I am allowed to reveal," said John King, attorney representing the Boise School District.

The controversy of "Oh! Calcutta" arose when Boise School District officials realized the play contained nude

scenes. This was realized several months after the district had signed a contract scheduling the play to be performed in Boise High School's auditorium Saturday.

Despite the legal contract, school district officials rejected the idea of allowing "Oh! Calcutta" to be performed at the high school.

Producers of the play looked for alternate places in Boise to perform the musical, but were rejected continually.

"The play is not going to be held in Boise, period," said Roger Carlson, Boise School District building supervisor.

Tickets for the play have been re-

funded, and some people who really wanted to see the production are traveling out of town to see performances in Billings, Mont., or Salt Lake City, said Alan Stewart, press agent for "Oh! Calcutta."

"We are not going to be able to perform in Boise at all, but we will be there in Salt Lake and everything is going fine with that," Stewart said.

"Oh! Calcutta" is still scheduled to be performed at the Capitol Theatre in Salt Lake City on Sunday.

There have been no complaints in Salt Lake City about the play itself or the fact that it is to be performed on a Sunday, said John Stasko, events coordinator for Capitol Theatre.

LDS Church announces 3 new missions

The number of newly formed 1990 missions grew to 19 as the First Presidency of The Church of Jesus Christ of Latter-day Saints announced three new missions in Asia earlier this week.

The new missions, to begin operations July 1, are the Japan Okinawa Mission, the Philippines San Pablo Mission and the Philippines Tacloban Mission.

So far, each of the announced missions have been formed by splitting current missions.

School board member to resign

By TONIA SHARP
University Staff Writer

A member of the Nebo School District Board announced his resignation last week because he is seeking elec-

tion for Utah County Commissioner.

Richard Johnson served on the board for 10 years and was president in 1982 and 1987. He served concurrently on the Utah County Planning Commission for five years.

Though his resignation was accepted, the board reappointed him to finish the year.

"Resigning from the board will put my seat on the ballot this fall and the constituency will be able to elect a new member rather than have school board appoint my replacement," Johnson said.

Among changes during his board tenure were an in-depth job study, personnel classification, and upgrad-

ing of the pay scale, Johnson said. He also said there was financial progress in the district during the past 10 years.

"In two years, Nebo School district will be out of debt," Johnson said.

"I feel good that though we're dealing with that size of a budget and personnel we've been able to improve financially," Johnson said.

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Springville passes bond for business

By BROCK STOUT
University Staff Writer

Springville approved a bond Tuesday to help get funding for a local business to expand operations, said the director of the Springville Planning Commission.

Jo Evans said the \$5.5 million inducement bond will allow Winding Technologies to get bank financing to build a new facility in the summer of 1990.

The federal government allows for larger companies to obtain bonds at special interest rates in order to encourage economic development.

A bank will issue a letter of credit, Evans said. The company and the bank will assume all the risk.

Harold Mitchell, city lawyer for Springville, said there are limits for using the bond. "The bond must be used to build an industrial facility and purchase new equipment." The company has three years to take advantage of the bond approval, he said.

Winding Technologies specializes in manufacturing technology for aerospace and transportation markets, said Jim Winegar, who is in charge of business development for Winding.

The company's present facility is 37,500 square feet. The facility under consideration would be 50 percent larger, Winegar said.

"We are in extensive planning stages," Winegar said. The company may use the new funds to buy their present facility or to build a new plant. The funds will help to "handle growth over the next 12 to 24 months," he said.

"We are now conducting studies to make the decision."

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ATVs spoil the soil, officials say

By ERIN NESMITH
University Staff Writer

The Forest Service is preparing for another spring spent fighting off-road vehicle users.

Together with local law enforcement officials and a citizen's committee, the Forest Service is trying to protect national forest lands from unauthorized use by off-road vehicle users.

The problem has existed for years, said Loyal Clark, Forest Service public information officer.

The off-road vehicles seriously damage the land, and the recent drought conditions have only made matters worse.

The off-road vehicles tear up the soil and vegetation, making it difficult for the soil to retain water, said Bob Easton, district ranger. Valuable top-soil is also washed away.

Much of the area along the Wasatch front is a watershed. Water collected in the soil supplies drinking water. When the vegetation is destroyed, the water becomes tainted with top-soil and silt, said Easton.

Besides being damaging to the environment, riding in watershed lands is also illegal. Each year the Forest Service posts "No Trespassing" signs and builds gates. And each year the signs are torn down within days of being posted, and the locks on the gates are broken, said Easton.

Pleasant Grove and Lindon Police, as well as the Sheriff's Department, patrol the area and write citations. "It's a class D misdemeanor," Detective Cody Cullimore of the Pleasant Grove Police. "The maximum penalty is a \$1,000 fine and six months in jail." Most people end up with fines.



Russ Slater of Ogden pops a wheelie at the Little Sahara Sand Dunes. The Sand Dunes is a recreation area designated for off-road vehicles. The

Forest Service has lately been having problems with off-road vehicles destroying soil and vegetation in protected forest land.

"What we're trying to do is educate people to what they're doing," Easton said. "A lot of the riders are young people." A program planned for next fall will target the teachers and help them get the word out to their students.

Meanwhile, the Forest Service is spending thousands of dollars in rehabilitating the damaged areas. "It's

very expensive," Easton said. "We've done a lot of planting." Often areas are ridden through right after they've been re-planted.

An ATV Opportunity Guide is available from the Forest Service showing trails maintained by the Forest Service for off-road vehicles. Transportation other than an ATV is needed to reach most of the areas, and

Clark said that is one of the problems.

One of the areas that is extremely damaged is the area underneath the "Y" on Y Mountain, said Clark.

"We're working with BYU on the area to rehabilitate and restore it," said Easton. The problems are caused by both hikers and ATV riders. Plans for the area include re-vegetation and clearer markers on the trails.

Program seeks funds to counsel unwed mothers

By MARCI WILCOX
University Staff Writer

Resources for Adolescent Pregnancies (RAP) hopes to acquire federal funds for a new program to fund counseling services for unwed mothers in Utah County on March 30.

Director of the Center for Counseling, Education and Research at Orem Community Hospital Dr. Debbie Christensen said there is a high rate of teenage pregnancies in Utah and a vital need for an unwed mothers program.

Holly Gaytan, site manager of Planned Parenthood, said that in 1987 59 percent of the births to girls between the ages of 15 and 17, and 37

percent of births to girls between the ages of 18 and 19 were out of wedlock. These statistics were received from the Utah State Department of Health.

"In the state of Utah there were 4,315 pregnancies between the ages of 15 and 19 years in 1987," said Gaytan. In 1984 there were 469,682 births nationally, which is the most recent figure from the Center of Population Options in Washington D.C.

The report also showed that teenagers who engaged in intercourse before the age of 16 were twice as likely to get pregnant as those who wait until they are 18 years old, she said.

"I feel the reason teenagers

younger than 16 get pregnant more often is because the 18-year-olds are more mature and educated and take the initiative to protect themselves against pregnancy," Gaytan said.

"Only 4 percent of teenagers give their babies up for adoption," she said. Teenage girls are unlikely to put babies up for adoption because they don't have a realistic idea of parenthood. They think it is exciting to have a baby and it makes them feel more womanly.

Planned Parenthood does not offer abortion services because other clinics already play an active role in this area, she said. Most employees of Planned Parenthood are pro-choice—they don't want legislators to make

laws against abortion.

RAP was created to develop a strong community network that will help pregnant adolescents, said Susan Hunt, the director of Women's Services at Utah Valley Medical Center. The RAP network is a combined effort of 17 agencies that deal with teen pregnancies.

Hunt created the program in June 1989 when she received several phone calls from the community requesting counseling services for teenagers.

"The programs already exist, people just don't know about them," she said.

"Teenagers need to know we will be there as an advocate, provide services and inform them of available options," Hunt said.

The governor's task force did a study and concluded the best way to prevent teenage pregnancy was to abstain.

"This philosophy is good when a family works and talks well together and develops a value basis, but some families don't communicate," Hunt said.

"RAP is a tremendous service for sexually active teenagers," said Hunt. The necessary services exist and RAP plans to help teenagers know how to access them.

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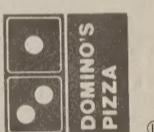
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